

CLAIMS

What is claimed is:

1. A device to configure telephone services, the device comprising:
a signal detecting circuit;
a control circuit coupled to the signal detecting circuit to determine whether
or not a first phone and a second phone are positioned with respect to
each other according to a relation; and
a call forwarding configuring circuit coupled to the control circuit, the
control circuit causing the call forwarding configuring circuit to
configure a call forwarding service of the first phone in response to a
change in whether or not the first phone and the second phone are
positioned with respect to each other according to the relation.
2. The device of claim 1, wherein the call forwarding configuring circuit
comprises a dialing circuit, the control circuit causing the dialing circuit to
dial a sequence to configure the call forwarding service of the first phone in
response to the change in whether or not the first phone and the second
phone are positioned with respect to each other according to the relation.

3. The device of claim 2, wherein a sequence is dialed to start forwarding calls of the first phone to the second phone when the first phone and the second phone are positioned with respect to each other according to the relation.
4. The device of claim 3, wherein a sequence is dialed to stop forwarding calls of the first phone to the second phone when the first phone and the second phone are not positioned with respect to each other according to the relation.
5. The device of claim 2, wherein a sequence is dialed to start forwarding calls of the first phone to the second phone when the first phone and the second phone are not positioned with respect to each other according to the relation.
6. The device of claim 5, wherein a sequence is dialed to stop forwarding calls of the first phone to the second phone when the first phone and the second phone are positioned with respect to each other according to the relation.
7. The device of claim 6, wherein the first phone and the second phone are positioned with respect to each other according to the relation when the signal detecting circuit detects signals from the second phone.
8. The device of claim 7, wherein the signals from the second phone are one of:

signals transmitted through a wire connecting the second phone and the device;

infrared signals;

radio signals for Wireless Personal Area Networks (WPAN); and

radio signals for Wireless Local Area Networking (WLAN).

9. The device of claim 1, wherein the device shares at least a portion of the dialing circuit with the first phone.
10. The device of claim 1, wherein the device is separate from the first phone; and the device is connected to the phone line of the first phone.
11. A data processing system, comprising:
 - means for determining whether or not a portable device is connected to the data processing system; and
 - means for automatically configuring one or more user preferences of the data processing system according to an identity of the portable device in response to a change in whether or not the portable device is connected to the data processing system.
12. The data processing system of claim 11, wherein said means for determining whether or not a portable device is connected to the data processing system comprises at least one of:

a cable port;
a infrared port; and
a radio communication circuit.

13. The data processing system of claim 12, wherein the portable device comprises one of:
a mobile phone;
a personal digital assistant (PDA); and
a portable digital music player.
14. The data processing system of claim 11, further comprising:
means for loading data for configuring the one or more user preferences from
the portable device to the data processing system in response to a
change from the portable device being not connected to the data
processing system to the portable device being connected to the data
processing system.
15. The data processing system of claim 11, further comprising:
means for identifying data for configuring the one or more user preferences
stored on the data processing system according to the identity of the
portable device in response to a change in whether or not the portable
device is connected to the data processing system.

16. An apparatus to control a phone line, the apparatus comprising:
a communication circuit;
a control circuit coupled to the communication circuit to determine whether
or not a communication link to a mobile phone can be established;
and
a call forwarding configuring circuit coupled to the control circuit to
automatically configure the phone line to:
start call forwarding to the mobile phone when a communication link
between the communication circuit and the mobile phone is
lost; and
stop call forwarding to the mobile phone when a communication link
between the communication circuit and the mobile phone is
re-established.
17. The apparatus of claim 16, wherein the call forwarding configuring circuit
comprises a Dual Tone Multi-Frequency (DTMF) generator.
18. The apparatus of claim 16, wherein the communication circuit comprises a
Bluetooth radio.
19. The apparatus of claim 18, further comprising:
memory coupled to the control circuit;

wherein a mobile phone number is automatically received from the mobile phone through the communication circuit; and
wherein the mobile phone number is stored in the memory and dialed to start call forwarding to the mobile phone.

20. A mobile phone, comprising:
a cellular phone circuit;
a communication circuit;
a control circuit coupled to the cellular phone circuit and the communication circuit, the control circuit causing the cellular phone circuit to transmit cellular signals to start call forwarding to a phone line when the communication circuit re-establishes a communication link to a device, the control circuit causing the cellular phone circuit to transmit cellular signals to stop call forwarding to the phone line when the communication circuit loses the communication link.
21. The mobile phone of claim 20, wherein the device comprises a phone connected to the phone line.
22. The mobile phone of claim 21, wherein communication circuit comprises a Bluetooth chip.

23. The mobile phone of claim 21, wherein when the communication link between the mobile phone and the device is re-established, the control circuit further configures the communication circuit to communicate signals for a phone call through the land phone line.
24. A method to configure telephone services, the method comprising:
detecting whether or not a first phone and a second phone are positioned in a close relation with respect to each other; and
automatically configuring a call forwarding service of the first phone in response to a change in whether or not the first phone and the second phone are positioned in the close relation with respect to each other.
25. The method of claim 24, further comprising:
automatically configuring a call forwarding service of the second phone in response to the change.
26. The method of claim 24, wherein a sequence is dialed to start forwarding calls of the first phone to the second phone when the first phone and the second phone are positioned in the close relation with respect to each other.
27. The method of claim 26, wherein a sequence is dialed to stop forwarding calls of the first phone to the second phone when the first phone and the

second phone are not positioned in the close relation with respect to each other.

28. The method of claim 24, wherein a sequence is dialed to start forwarding calls of the first phone to the second phone when the first phone and the second phone are not positioned in the close relation with respect to each other.
29. The method of claim 28, wherein a sequence is dialed to stop forwarding calls of the first phone to the second phone when the first phone and the second phone are positioned in the close relation with respect to each other.
30. The method of claim 24, wherein the first phone and the second phone are positioned in the close relation with respect to each other when the first phone and the second phone are in radio communication.
31. The method of claim 30, wherein the radio communication is in accordance with one of:
IEEE 802.11; and
IEEE 802.15.
32. The method of claim 24, wherein the first phone and the second phone are positioned in the close relation with respect to each other when one of the

first phone and the second phone is connected to a control device with one of:

a wired link;

a infrared link; and

a low power radio link.

33. The method of claim 24, wherein the control device is one of:
integrated within one of the first phone and the second phone; and
co-located with one of the first phone and the second phone.
34. A method to operate a data processing system, the method comprising:
detecting whether or not a portable device is connected to the data processing system; and
automatically configuring one or more user preferences of the data processing system according to an identity of the portable device in response to a change in whether or not the portable device is connected to the data processing system.
35. The method of claim 34, wherein the portable device comprises one of:
a mobile phone;
a personal digital assistant (PDA); and
a portable digital music player.

36. The method of claim 34, wherein a connection between the portable device and the data processing system is through one of:
a cable;
a radio link; and
a infrared link.
37. The method of claim 34, wherein the portable device comprises a cellular phone; the data processing system comprises a connection to a phone line; and, the data processing system configures a call forwarding service of the phone line in response to a change in whether or not the cellular phone is connected to the data processing system.
38. The method of claim 34, further comprising:
loading data for configuring the one or more user preferences from the portable device into the data processing system in response to a change from the portable device being not connected to the data processing system to the portable device being connected to the data processing system.
39. The method of claim 34, further comprising:
identifying data for configuring the one or more user preferences stored on the data processing system according to the identity of the portable

device in response to a change in whether or not the portable device is connected to the data processing system.

40. The method of claim 39, wherein an identity of a user of the data processing system is associated with the identity of the portable device, which is used to identify the data for configuring the one or more user preferences.
41. A method to control a phone line, the method comprising:
automatically configuring the phone line to start call forwarding to a mobile phone when one or more communication links to the mobile phone are lost; and
automatically configuring the phone line to stop call forwarding to the mobile phone when a communication link to the mobile phone is re-established.
42. The method of claim 41, wherein the communication link comprises a radio link in accordance with a standard for Wireless Personal Area Networks (WPAN).
43. The method of claim 41, further comprising:
receiving a mobile phone number from the mobile phone when the communication link to the mobile phone is established; and
storing the mobile phone number.

44. A method implemented on a mobile phone, the method comprising:
automatically dialing a sequence on the mobile phone to start call forwarding
to a phone line when a communication link to a device is re-
established; and
automatically dialing a sequence on the mobile phone to stop call forwarding
to the phone line when one or more communication links to the
device are lost.
45. The method of claim 44, wherein the communication link comprises a radio
link in accordance with a standard for Wireless Personal Area Networks
(WPAN).
46. The method of claim 44, wherein the device comprises a land line phone.
47. The method of claim 44, further comprising:
receiving a phone number of the phone line from the device when the first
communication link to the device is established;
wherein the phone number is dialed on the mobile phone to start call
forwarding to the phone line.
48. The method of claim 44, further comprising:

communicating with the device to place or receive phone calls at the mobile phone through the phone line.

49. A machine readable medium containing executable computer program instructions which when executed by a data processing system cause said system to perform a method to configure telephone services, the method comprising:
determining whether or not a first phone and a second phone are positioned in a close relation; and
automatically configuring a call forwarding service of the first phone in response to a change in whether or not the first phone and the second phone are positioned in the close relation.
50. The medium of claim 49, wherein the first phone and the second phone are positioned in the close relation when a communication link between the first phone and the second phone is established.
51. The medium of claim 50, wherein the communication link is in accordance with one of:
IEEE 802.11; and
IEEE 802.15.

52. The medium of claim 49, wherein the first phone and the second phone are positioned in the close relation when a communication link between the first phone and a control device is established; wherein the control device is one of:
integrated within the second phone;
co-located with the second phone; and
connected to a phone line of the second phone.
53. A machine readable medium containing executable computer program instructions which when executed by a data processing system cause said system to perform a method, comprising:
determining whether or not a portable device is connected to the data processing system; and
automatically configuring one or more user preferences of the data processing system according to an identity of the portable device in response to a change in whether or not the portable device is connected to the data processing system.
54. The medium of claim 53, wherein the portable device comprises a cellular phone.

55. The medium of claim 54, wherein the data processing system comprises a connection to a phone line; and, the data processing system configures a call forwarding service of the phone line in response to a change in whether or not the cellular phone is connected to the data processing system.
56. The medium of claim 53, wherein the method further comprises:
loading data for configuring the one or more user preferences from the
portable device to the data processing system in response to a change
from the portable device being not connected to the data processing
system to the portable device being connected to the data processing
system.
57. The medium of claim 56, wherein the portable device comprises a cellular phone.
58. The medium of claim 53, wherein the method further comprises:
identifying data for configuring the one or more user preferences stored on
the data processing system according to the identity of the portable
device in response to a change in whether or not the portable device
is connected to the data processing system.

59. A machine readable medium containing executable computer program , instructions which when executed by a data processing system cause said system to perform a method to control a phone line, the method comprising: automatically configuring the phone line to start call forwarding to a mobile phone when one or more communication links to the mobile phone are lost; and automatically configuring the phone line to stop call forwarding to the mobile phone when a communication link to the mobile phone is re-established.
60. The medium of claim 59, wherein the communication link is a radio link in accordance with a standard for Wireless Personal Area Networks (WPAN).
61. The medium of claim 59, wherein the method further comprises: automatically receiving a mobile phone number from the mobile phone when a communication link to the mobile phone is established; and storing the mobile phone number.
62. A machine readable medium containing executable computer program instructions which when executed by a data processing system cause said system to perform a method implemented on a mobile phone, the method comprising:

automatically dialing a sequence on the mobile phone to stop call forwarding
to a phone line when at least one communication link to a device is
lost; and
automatically dialing a sequence on the mobile phone to start call forwarding
to the phone line when a communication link to the device is re-
established;

63. The medium of claim 62, wherein the communication link comprises a radio link in accordance with a standard for Wireless Personal Area Networks (WPAN).
64. The medium of claim 62, wherein the method further comprises:
automatically receiving a phone number of the phone line from the device
when the communication link to the device is re-established.